

Slur

Work Order ID 73273 -1

Monday, August 29, 2011 4:16:13 PM



Ship beg. Page 1

Item ID: D412-702-021

Revision ID: U/R

Item Name: 13-Man Shoulder Harness, 4 point

Start Date: 8/29/2011 Start Qty: 3.00

Required Date: 9/2/2011 Req'd Qty: 3.00

Reference:

Accept



Setup Start



Stop



Cust Item ID:

Customer:

Approvals: Process Plan: *mk*

QC:

Date: 11-08-29

Tooling:

Date:

Run Start



Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								

N/A Rev N/A

100



DC

Document Control

DOCUMENT CONTROL

Label

0.00

Memo

0.00

Photocopy bluefile and create labels per PPP D412-702-021 CHG003

SS worklog

HJ for MF 11-9-8

110



Packaging

Packaging

Pick Kit

0.00

Memo

0.00

11/8/2011

(2)

120



QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

Memo

0.00

S worklog

(2)

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 Start Date: 8/29/2011 Start Qty: 3.00
 Required Date: 9/2/2011 Req'd Qty: 3.00
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Accept



Setup Start



Stop



Cust Item ID:
 Customer:

Approvals: Process Plan:
 QC:

Date:
 Date:

Tooling:
 SPC (Y/N):

Date:
 Date:

Run Start
 Stop



Sequence ID/
 Work Center ID

Operation
 Description

Set Up/
 Run Hours

Tool ID Tool # Plan Code Accept Qty Reject Qty Reject Number Insp. Stamp

130



Packaging

Packaging

0.00

Memo

0.00

Identify and pack for shipping as per PPP D412-702-021
 Location: Red C

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

11/9/8

(24)

11/9/8

MF 11-09-08

Picklist Print

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Page 1

Work Order ID: 73273

Parent Item: D412-702-021

Parent Item Name: 13 Man Shoulder Harness, 4 point



Start Date: 8/29/2011

Required Date: 9/2/2011

Start Qty: 3.00

Required Qty: 3.00

Comments: IPP Rev:B Removed Manufacturing 05-11-08 JLM
 IPP Rev:C 06.04.03 As per DSI9324 JLM
 IPP rev D 06.12.14 per ecn 871 EC
 IPP Rev:E 07-03-14 As per DSI 9351 JLM
 IPP Rev:F 07-07-28 As per Rev E JLM Verified By:ec IPP Rev:G
 11.05.31 DSI 9559 EC verified by:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN4-13A Bolt		Purchased	No			120	Each	1,334.000	4	12			

Location	Loc Qty	Loc Code
ST357	1334	
118078	594	
118351	240	
118756	500	

AN4-20A Bolt		Purchased	No			120	Each	557.0000	8	24			
---------------------	--	-----------	----	--	--	-----	------	----------	---	----	--	--	--

Location	Loc Qty	Loc Code
ST359	557	
115936	57	
116419	200	
117514	300	

AN4-5A Bolt		Purchased	No			120	Each	214.0000	4	12			
--------------------	--	-----------	----	--	--	-----	------	----------	---	----	--	--	--

Location	Loc Qty	Loc Code
ST355	200	
117508	200	
ST356	14	
116549	14	

12

24

11/8/30 cl

4

8

24

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Page 2

Work Order ID: 73273

Parent Item: D412-702-021

Parent Item Name: 13-Man Shoulder Harness, 4 point



Start Date: 8/29/2011

Required Date: 9/2/2011

Start Qty: 3.00

Required Qty: 3.00

AN960JD416 NAS1149D0463J Purchased No

120 Each

0.0000 20 60



Washer

D3195-041

Manufactured No

120 Each

4.0000 2 6



Bracket Assembly

Location

Loc Qty

Loc Code

ST246A

4

71905

4

D3195-043

Manufactured No

120 Each

5.0000 2 6 3x



Bracket Assembly

Location

Loc Qty

Loc Code

ST246A

5

72925

5

D3196-1

Manufactured No

120 Each

0.0000 1 3 2x



Bar

D3196-3

Manufactured No

120 Each

1.0000 1 3



Bar

Location

Loc Qty

Loc Code

ST260

1

70928

1

D3196-4

Manufactured No

120 Each

2.0000 1 3



Bar

Location

Loc Qty

Loc Code

ST260

2

70930

2

M118384
B71139 B70146 sl

4
B71139 sl

3
70929 B 72921 sl

3
B 72920 sl

3
B 71904 11/9/7 sl

2x

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Page 3

Work Order ID: 73273

Parent Item: D412-702-021

Parent Item Name: 13-Man Shoulder Harness, 4 point



Start Date: 8/29/2011

Required Date: 9/2/2011

Start Qty: 3.00

Required Qty: 3.00



D3197-041 Manufactured No

120 Each

0.0000

2

6

Bar Assembly

D3198-1 Manufactured No

120 Each

9.0000

4



Fitting

Location

Loc Qty

Loc Code

ST246A

9

70149

1

70927

8

D3268-1 Manufactured No

120 Each

4.0000

2



Placard

Location

Loc Qty

Loc Code

ST246A

4

70951

4

D3546-1 Manufactured No

120 Each

2.0000

2



Clip

Location

Loc Qty

Loc Code

ST245

2

70150

2

D3551-11 Manufactured No

120 Each

17.0000

13



Hook and Loop Tie

Location

Loc Qty

Loc Code

ST246A

17

71167

17



B711032 SP



B73275 3.00 SP
11/9/12



B711032 SP



B711032 SP



B70915
B73276 2X 11/8/30
25 24

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Work Order ID: 73273

Parent Item: D412-702-021

Parent Item Name: 13-Man Shoulder Harness, 4 point

Start Date: 8/29/2011

Required Date: 9/2/2011

Start Qty: 3.00

Required Qty: 3.00

D412-702-069 *CH 700*

Manufactured

No

120

Each

1.0000



Grommet



1

3

Location

Loc Qty

Loc Code

FG122

1

70940

1

3

D4387-041

Manufactured

No

120

Each

3.0000



Harness Assembly



9

27

Location

Loc Qty

Loc Code

ST263

3

70759

3

12

D4387-043

Manufactured

No

120

Each

20.0000



Harness Assembly



4

12

Location

Loc Qty

Loc Code

ST263

20

70054

8

70056

12

8

MS21042L4

Purchased

No

120

Each

4,102.000



Nut



12

36

11/18/30

11/18/30

Location

Loc Qty

Loc Code

ST300

4102

117441

51

117601

637

117885

1414

118451

2000

36

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Page 5

Work Order ID: 73273

Parent Item: D412-702-021

Parent Item Name: 13-Man Shoulder Harness. 4 points



Start Date: 8/29/2011

Required Date: 9/2/2011

Start Qty: 3.00

Required Qty: 3.00

MS24694-S152

Purchased

No

120

Each

31.0000

8



Screw



24

Location

Loc Qty

Loc Code

ST289A

31

116440

31

120

Each

20.0000

8

MS24694-S154

Purchased

No



SCREW



24

Location

Loc Qty

Loc Code

ST290

20

116328

8

117601

12

8

11/8/30 (2)

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QTY -021	QTY -023	QTY -025	QTY -027	QTY -029	QTY -035	Part Number	Description
X						D412-702-021	Dart 13-Man Shoulder Harness Kit, 4-point
	X					D412-702-023	Dart 5-Man Forward Facing Shoulder Harness Kit, 4-point
		X				D412-702-025	Dart 4-Man Aft Facing Shoulder Harness Kit, 4-point
			X			D412-702-027	Dart 4-Man Side Facing Shoulder Harness Kit, 4-point
				X		D412-702-029	Dart 1-Man Forward Facing Shoulder Harness Kit, 4-point
					X	D214-702-035	Dart 5-Man Aft Facing Shoulder Harness Kit, 4-point, for Bell 214B/B-1
1	1		1	1		D412-702-069	GROMMET KIT
2	2					D3195-041	BRACKET
2	2					D3195-043	BRACKET
1	1			1		D3196-1	BAR
1			1			D3196-3	BAR
1			1			D3196-4	BAR
2	2					D3197-041	BAR
4		4				D3198-1	FITTING
2	2					D3268-1	PLACARD
9	5		4	1		D3446-041	HARNESS ASSEMBLY, 4 POINT
4		4				D3446-043	HARNESS ASSEMBLY, 4 POINT
					5	D3446-045	HARNESS ASSEMBLY, 4 POINT
13	5	4	4	1	5	D3551-11	HOOK AND LOOP TIE
2	2					D3546-1	CLIP
4		4				AN4-5A	BOLT
4	4					AN4-13A	BOLT
8		8				AN4-20A	BOLT
20		20				AN960JD416	WASHER (OR NAS1149D0463J)
12		12				MS21042L4	NUT (OR MS21042-4)
8	2		6	2		MS24694-S152	SCREW
8	2		6	2		MS24694-S154	SCREW

QTY -069	Part Number	Description
X	D412-702-069	GROMMET KIT
24	D3619-2	GROMMET
1	D3619-2T1	HOLE PUNCH
1	D3619-2T2	STRIKER BLOCK
1	D3619-2T3	PUNCH
1	D3619-2T4	DIE

REFERENCE ONLY

DART SERVICE INSTRUCTION

TO AMEND IIN-D412-702-1 REV. A,
AND ICA-D412-702 REV. 4 OR EARLIER APPROVED REVISIONS
REF. TCCA STC: SH04-7
REF. FAA STC: SR01997NY
REF. EASA STC: EASA.IM.R.S.00710

PURPOSE

The purpose of this DSI is to outline the replacement of existing D3446-041/-043 Shoulder Harnesses with the new and improved D4387-041/-043 Shoulder Harnesses.

CHANGE


For the following Kits, the D4387-041 and D4387-043 Shoulder Harnesses respectively replace the D3446-041 and D3446-043 Shoulder Harnesses as follows:

Old Harness P/N	Used On	New Harness P/N	Effectivity
D3446-041	D412-702-021	D4387-041	CHG 003 and subsequent
	D412-702-023		CHG 002 and subsequent
	D412-702-027		
	D412-702-029		
D3446-043	D412-702-021	D4387-043	CHG 003 and subsequent
	D412-702-025		CHG 002 and subsequent

Customers who want to upgrade their shoulder harnesses may replace their existing D3446-041/-043 with D4387-041/-043 per this service instruction.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 11.05.09
CERT. NO.: SH04-7
ISSUE NO.: 3

A	NEW ISSUE	MB	11.05.09
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9559	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		HARNESS CHANGE	NTS
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